

Form PTO-1449 (Modified)

U.S. Department of Commerce
Patent and Trademark Office

App. Docket No.

05569.0004.DVUS12

Serial No. **New**
Application

INFORMATION DISCLOSURE STATEMENT

Applicant

McCafferty, J. *et al.*

Filing Date

3-18-04

Group

(Use several sheets if necessary)

FOREIGN PATENT DOCUMENTS

*Examiner Initials		Document Number	Publication Date	Country	Class	Subclass	Translation	
							Yes	No
AOS	B1	WO 83/02393	07/21/83	WIPO	/			
	B2	EP 2 137 631	10/10/84	EP				
AOS	B3	EP 0 168 933	01/22/86	EP				
AOS	B4	WO 88/06630	09/07/88	WIPO				
AOS	B5	WO 88/09344	12/01/88	WIPO				
	B6	EP 0 324 162 A1	12/24/88	EP				
AOS	B7	AU-B-27617/88	07/06/89	AU				
AOS	B8	WO 90/02809	03/22/90	WIPO				
AOS	B9	WO 90/05144	05/17/90	WIPO				
AOS	B10	WO 90/14424	11/29/90	WIPO				
AOS	B11	WO 90/14430	11/29/90	WIPO				
AOS	B12	WO 90/14443	11/29/90	WIPO				
AOS	B13	WO 91/10737	07/25/91	WIPO				
AOS	B14	WO 91/17271	11/14/91	WIPO				
AOS	B15	WO 92/06204	04/16/92	WIPO				
AOS	B16	WO 92/09690	06/11/92	WIPO				
	B17	WO 92/18619	10/29/92	WIPO				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

AOS	C1	Amit, A.G. <i>et al.</i> , "Three-Dimensional Structure of an Antigen-Antibody Complex at 2.8 Å Resolution." <i>Science</i> , 233:747-753 (August, 1986).
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ADS	C2	Armstrong, J. <i>et al.</i> , "Domain Structure of Bacteriophage fd Adsorption Protein," <i>FEBS Lett.</i> , 135(1):167-172 (November, 1981).
ADS	C3	Bass <i>et al.</i> , "Hormone Phage: An Enrichment Method for Variant Proteins With Altered Binding Properties," <i>Proteins: Structure, Function and Genetics</i> , 8:309-314 (1990).
	C4	Beck, E. <i>et al.</i> , "Nucleotide sequence and genome organisation of filamentous bacteriophages f1 and fd," <i>Gene</i> , 16:55-58 (1981).
	C5	Beck, E. <i>et al.</i> , "Nucleotide sequence of bacteriophage fd DNA," <i>Nucleic Acids Research</i> , 5(12):4495-4503 (1978).
ADS	C6	Berek, C. <i>et al.</i> , "Molecular events during maturation of the immune response to oxazolone," <i>Nature</i> , 316:412-418 (August, 1985).
ADS	C7	Better, M. <i>et al.</i> , "Escherichia coli Secretion of an Active Chimeric Antibody Fragment," <i>Science</i> , 240:1041-1043 (May, 1988).
ADS	C8	Bhat, T.N. <i>et al.</i> , "Small rearrangements in structures of Fv and Fab fragments of antibody D1.3 on antigen binding," <i>Nature</i> , 347:483-485 (October, 1990).
ADS	C9	Bird, R.E. <i>et al.</i> , "Single chain antibody variable regions," <i>TIBTECH</i> , 9:132-137 (April, 1991).
ADS	C10	Bird, R.E. <i>et al.</i> , "Single-Chain Antigen-Binding Proteins," <i>Science</i> , 242:423-426 (October, 1988).
ADS	C11	Boeke, J.D. <i>et al.</i> , "Effects of Bacteriophage f1 Gene III Protein on the Host Cell Membrane," <i>Mol. Gen. Genet.</i> , 186:185-192 (1982).
ADS	C12	Boyle, W., "An Extension of the ⁵¹ Cr-Release Assay for the Estimation of Mouse Cytotoxins," <i>Transplantation</i> , 6(6):761-764 (1968).
	C13	Branden, C. <i>et al.</i> , in <i>Introduction to Protein Structure</i> , Garland Publishing, Inc., New York and London, pp.26-29 (1991).
ADS	C14	Brenna, O. <i>et al.</i> , "Affinity-Chromatography Purification of Alkaline Phosphatase from Calf Intestine," <i>Biochem. J.</i> , 151:291-296 (1975).
ADS	C15	Brownstone, A. <i>et al.</i> , "Biological Studies with an Iodine-Containing Synthetic Immunological Determinant 4-Hydroxy-3-iodo-5-nitrophenylacetic Acid (NIP) and Related Compounds," <i>Immunology</i> , 10:481-492 (1966)

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ADS	C16	Brownstone, A. et al., "Chemical and Serological Studies with an Iodine-Containing Synthetic Immunological Determinant 4-Hydroxy-3-iodo-5-nitrophenylacetic Acid (NIP) and Related Compounds," <i>Immunology</i> , 10:465-479 (1966).
ADS	C17	Carter, P. et al., "Improved oligonucleotide site-directed mutagenesis using M13 vectors" <i>Nucl. Acids Res.</i> , 13(12):4431-4443 (1985).
ADS	C18	Casali, P. et al., "Human Monoclonals from Antigen-Specific Selection of B Lymphocytes and Transformation by EBV," <i>Science</i> , 234:476-479 (October, 1986).
ADS	C19	Chaidaroglou, A. et al., "Function of Arginine-166 in the Active Site of <i>Escherichia coli</i> Alkaline Phosphatase," <i>Biochemistry</i> , 27:8338-8343 (1988).
ADS	C20	Chang, C. N. et al., "Nucleotide sequence of the alkaline phosphatase gene of <i>Escherichia coli</i> ," <i>Gene</i> , 44:121-125 (1986).
ADS	C21	Chaudhary, V.K. et al., "A rapid method of cloning functional variable-region antibody genes in <i>Escherichia coli</i> as single-chain immunotoxins," <i>Proc. Natl. Acad. Sci., USA</i> , 87:1066-1070 (February, 1990).
ADS	C22	Chiang, Y.L. et al., "Direct cDNA Cloning of the Rearranged Immunoglobulin Variable Region," <i>BioTechniques</i> , 7(4):360-366 (1989).
	C23	Choo, Y. et al., "In vivo repression by a site-specific DNA-binding protein designed against an oncogenic sequence," <i>Nature</i> , 372:642-645 (1994).
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ADS	C26	Chothia, C. et al., "Canonical Structures for the Hypervariable Regions of Immunoglobulins," <i>J. Mol. Biol.</i> , 196:901-917 (1987).
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ADS	C28	Clackson, T. et al., "'Sticky feet'-directed mutagenesis and its application to swapping antibody domains," <i>Nucl. Acids Res.</i> , 17(24):10163-10170 (1989).

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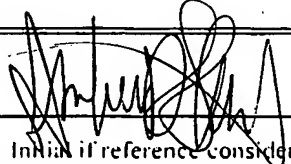
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)		
	C29	Cunningham, C. et al., "Antibody engineering - how to be human," <i>Trends Biotechnology</i> , 10(4):112-113 (April, 1992).
	C30	Curti, B.D., "Physical Barriers to drug delivery in tumors," <i>Critical Reviews in Oncology/Hematology</i> , 14:29-39 (1993).
	C31	Cwirla, S.E. et al., "Peptides on phage: A vast library of peptides for identifying ligands," <i>Proc. Natl. Acad. Sci., USA</i> , 87:6378-6382 (1990).
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	C33	De la Cruz et al., "Immunogenicity and Epitope Mapping of Foreign Sequences via Genetically Engineered Filamentous Phage," <i>J. Biol. Chem.</i>, 263(9):4318-4322 (1988).
	C34	Dildrop, R., "A new classification of mouse V_H sequences," <i>Immunol. Today</i>, 5(4):85-86 (1984).
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ADS	C38	Eisen, H.N., "Determination of Antibody Affinity For Haptens and Antigens by Means of Fluorescence Quenching," <i>Meth. Med. Res.</i> , 10:115-121 (1964).
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ADS	C41	Galfrè, G. et al., "Preparation of Monoclonal Antibodies: Strategies and Procedures," <i>Methods Enzymology</i> , 73:3-46 (1981).
ADS	C42	Gherardi, E. et al., "A single-step procedure for cloning and selection of antibody-secreting hybridomas," <i>J. Immunol. Methods</i> , 126:61-68 (1990).

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	C43	Glockshuber, R. et al., "The Disulfide Bonds in Antibody Variable Domains: Effects on Stability, Folding in Vitro, and Functional Expression in Escherichia coli," <i>Biochemistry</i> , 31:1270-1279 (1992).	
	C44	Goldstein, G., "Overview of the Development of ORTHOCLONE OKT3: Monoclonal Antibody for Therapeutic Use in Transplantation," <i>Transplantation Proceedings</i> , Vol. XIX, No. 2, Suppl. 1:1-6 (April, 1987).	
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ADS	C47	Grant, R.A. et al., "Structure of the Filamentous Bacteriophage fl," <i>J. Biol. Chem.</i> , 256(1):539-546 (January, 1981).	
ADS	C48	Griffiths, G.M. et al., "Somatic mutation and the maturation of immune response to 2-phenyl oxazolone," <i>Nature</i> , 312:271-275 (1984).	
ADS	C49	Gronwald, R.G.K. et al., "Cloning and expression of a cDNA coding for the human platelet-derived growth factor receptor: Evidence for more than one receptor class," <i>Proc. Natl. Acad. Sci., USA</i> , 85:3435-3439 (May, 1988).	
ADS	C50	Harper, M. et al., "Antigen Specificity and Cross-Reactivity of Monoclonal Anti-Lysozyme Antibodies," <i>Molec. Immunol.</i> , 24(2):97-108 (1987).	
	C51	Harris, W.J. et al., "Therapeutic antibodies - the coming of age," <i>Trends Biotechnology</i> , 11:42-44 (February, 1993).	
	C52	Hird, V. et al., "Immunotherapy with Monoclonal Antibodies," in <i>Genes and Cancer</i> , Edited by D. Garney and K. Sikora, John Wiley & Sons, Ltd., pp.183-189 (1990).	
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	C58	Izard, J.W. <i>et al.</i> , "Signal peptides: exquisitely designed transport promoters," <i>Molecular Microbiology</i> , 13(5):765-773 (1994).
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ADS	C70	Mäkelä, O. <i>et al.</i> , "Inheritance of Antibody Specificity V Anti-2-Phenyloxazolone in the Mouse," <i>J. Exp. Med.</i> , 148:1644-1660 (December, 1978).
ADS	C71	Malamy, M.H. <i>et al.</i> , "Purification and Crystallization of the Alkaline Phosphatase of <i>Escherichia coli</i> ," <i>Biochemistry</i> , 3(12):1893-1897 (December, 1964).
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ADS	C73	McCafferty <i>et al.</i> , "Phage Antibodies: Filamentous Phage Displaying Antibody Variable Domains," <i>Nature</i> , 348:552-554 (1990).
ADS	C74	McCracken, S. <i>et al.</i> , "Functional and Structural Properties of Immobilized Subunits of <i>Escherichia coli</i> Alkaline Phosphatase," <i>J. Biol. Chem.</i> , 255(6):2396-2404 (March, 1980).
ADS	C75	Melamed, M.D. <i>et al.</i> , "Requirements for the establishment of heterohybridomas secreting monoclonal human antibody to rhesus (D) blood group antigen," <i>J. Immunological Methods</i> , 104:245-251 (1987).
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ADS	C79	Neuberger, M.S. <i>et al.</i> , "Recombinant antibodies possessing novel effector functions," <i>Nature</i> , 312:604-608 (1984).
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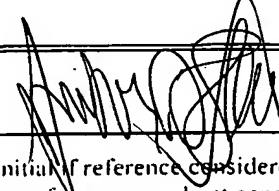
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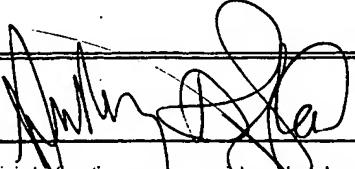
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	C82	Oliver, D.B. et al., "Periplasm and Protein Secretion," in <i>Escherichia coli and Salmonella typhimurium: cellular and molecular biology</i> , F.C. Neidhart (ed.), American Society for Microbiology, Washington, pp. 56-69.
ADS	C83	Orlandi, R. et al., "Cloning immunoglobulin variable domains for expression by the polymerase chain reaction," <i>Proc. Natl. Acad. Sci., USA</i> , 86:3833-3837 (May, 1989).
	C84	Osband, M.E. et al., "Problems in the investigational study and clinical use of cancer immunotherapy," <i>Immunology Today</i> , 11(6):193-195 (1990).
ADS	C85	Parmley et al., "Antibody-selectable Filamentous fd Phage Vectors: Affinity Purification of Target Genes," <i>Gene</i> , 73(2):305-318 (December, 1988).
	C86	Parmley, S.F. et al., "Filamentous Fusion Phage Cloning Vectors for the Study of Epitopes and Design of Vaccines," <i>Adv. Exp. Med. Biol.</i> , 251:215-218 (1989).
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ADS	C90	Riechmann, L. et al., "Reshaping human antibodies for therapy," <i>Nature</i> , 332:323-327 (March, 1988).
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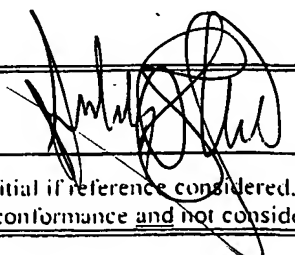
Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	App. Docket No. 05569.0004.DVUS12	Serial No. New Application
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicant McCafferty, J. et al.	
		Filing Date 3-18-04	Group

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)		
ADS	C96	Schapper, R.M., "Mechanisms of mutagenesis in the <i>Escherichia coli</i> mutator mutD5: Role of DNA mismatch repair," <i>Proc. Natl. Acad. Sci., USA</i> , 85:8126-8130 (November, 1988).
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ADS	C98	Shimatake, H. et al., "Purified λ regulatory protein cII positively activates promoters for lysogenic development," <i>Nature</i> , 292:128-132 (July, 1981).
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ADS	C106	Tsunetsugu-Yokota et al., "Expression of an Immunogenic Region of HIV by a Filamentous Bacteriophage Vector," <i>Gene</i> , 99(2):261-265 (March, 1991).
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Form PTO-1449 (Modified) U.S. Department of Commerce Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	Any Docket No. 05569.0004.DVUS12	Serial No. New Application
		Applicant McCafferty, J. et al.
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ADS	C109	Vieira, J. et al., "Production of Single-Stranded Plasmid DNA," <i>Methods Enzymol.</i> 153:3-11 (1987).
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ADS	C113	Ward, E.S. et al., "Binding activities of a repertoire of single immunoglobulin variable domains secreted from <i>Escherichia coli</i> ," <i>Nature</i> , 341:544-546 (October, 1989).
ADS	C114	Webster, R.E. et al., "Morphogenesis of the Filamentous Single-stranded DNA Phages," In: <i>The Single Stranded DNA Phages</i> , Cold Spring Harbor Laboratory Press, pp. 557-569 (1978).
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ADS	C118	Yanisch-Perron, C. et al., "Improved M13 phage cloning vectors and host strains: nucleotide sequences of the M13mp18 and pUC19 vectors," <i>Gene</i> , 33:103-119 (1985).
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